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1960 / Arcadia Aluminum Sliding Glass Doors

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AIA FILE NUMBER 16-E

1960 / Arcadia Aluminum Sliding Glass Doors

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Residence: Richard L. Dorman, AIA, and Associates, Architects.
Offices: Killingsworth, Brady and Smith, AIA, Architects.

Arcadia Metal Products, recognized through the years as an innovator and leader in engineering improvements in the sliding door field, serves the architectural profession and construction industry with products designed for the quality market.

ENGINEERING APPROACH Research by Arcadia engineers in the field of pressure differential and its relation to weathertightness of sliding doors resulted in a completely new approach to design. With exclusive design details and construction features, Arcadia's aluminum standard and heavy-duty doors provide building occupants with protection against the elements that is not prevalent in other designs (see details of door sections).

DESIGN INNOVATION Arcadia's new engineering concept places the sliding panels of doors on the exterior of the installation rather than the interior. Not only does this reversal of arrangement produce a tighter installation at the interlockers and sill section, in particular, but also it permits an interior sliding screen.

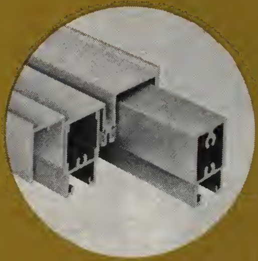
INSIDE SCREEN Arcadia's new door design which permits interior installation of the screen introduces an exclusive quality feature new to the industry. Interior screens reduce maintenance problems, assure quality of appearance over a longer period of time. Interior screens are easier to clean, are not subject to deterioration caused by moisture residue from overnight dew and from yard watering.

HOW TO USE THIS CATALOG

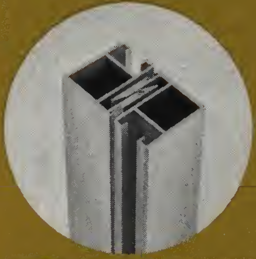
Details and specifications for three lines of Arcadia doors are included in this catalog. The selection chart on pages 4-5 summarizes features and data about these doors. Arcadia also manufactures accessory items which are desirable for many sliding door installations, especially those of custom design. Muntins, mullions, transoms, jamb joining kits, structural posts and other items are available through Arcadia's custom and specials department.

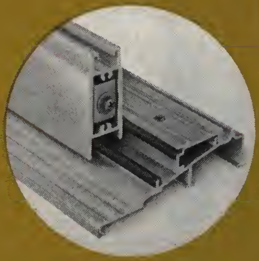
Limitations stated in this catalog are conservative, and in keeping with responsible engineering research in the field. Where installations have protection of overhang or are oriented for lower wind load than they would have under normal conditions, the architect should consult Arcadia engineers if additional height or width of opening is desired.

Sections of doors are made in two weights, standard and heavy-duty. Primarily, the differences permit higher and wider sliding units with heavy-duty sections than with standard. All doors in the 102-104 series and 202-204 series are designed to serve as exterior wall components. Multi-slide doors, however, may or may not fulfill all conditions for maximum protection as exterior wall components because of differences of engineering principles utilized in applications. Arcadia engineers should be consulted on multi-slide and pocket installations if these doors are to serve as exterior wall components.



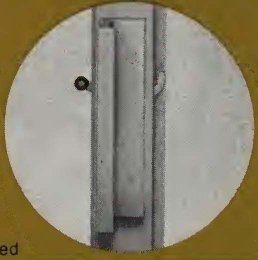
TOP RAIL is of one-piece tubular construction. Mohair weatherstripping on each side of top rail serves as guide for sliding panel and provides positive weatherseal.





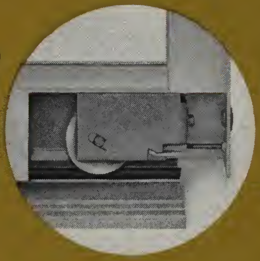
INTERLOCKERS of one-piece tubular construction maintain proper relation of meeting pieces at all times to assure weather-tightness. Through use of nylon spacers and special engineering of wedge design on interlocking tongues all metal-to-metal contact is prevented.

SILL with removable threshold provides neat appearance. Weather-stripping in threshold on sill places it on same plane as w/s on door for maximum efficiency. Step in sill assures protection against air and water infiltration possible only with outside sliding panel.



HARDWARE on 102 series combines aluminum with satin-black insert. All Arcadia hardware is equipped with non-jam latch.

HARDWARE on 202 series is simple design statement in aluminum. Exterior cylinder locks may be specified for all Arcadia doors.



ADJUSTABLE SHEAVES permit easy adjustment in case of deflection or settling of structure without removing door from installation. Nylon rollers with sealed, self-lubricated ball bearings are housed in heavy stamped aluminum.

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Arcadia features are protected by U.S. Patent Numbers 166862 2668317 2668318 2719340 2619205 2701156 2701157 and patents pending.

ARCADIA SELECTION CHART FOR ALUMINUM SLIDING DOORS

Types and sizes shown include stock sizes, available for immediate delivery, and non-stock sizes, subject to two to four weeks delivery.

Special types and custom sizes are available. For detailed information consult Architectural Sales division.

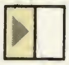
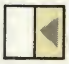
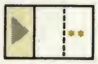
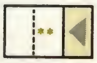
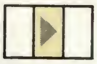
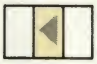
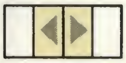
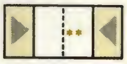
arcadia®

ARCADIA 102 SLIDING DOOR

standard sections for single glazing

up to 8′ 0″ ht. (glass available in any height)

DOOR SIZES FOR HEIGHT: 6′ 8 11/16″

DOORS VIEWED FROM OUTSIDE	CATALOG NUMBER	DOOR WIDTH	GLASS WIDTH x 76″ HT.	SHIPPING WTS. (lbs)	
				DOOR	SCREEN
	102-XO -106• 102-XO -108• 102-XO -110• 102-XO -112	6′-0 3/8″ 8′-0 3/8″ 10′-0 3/8″ 12′-0 3/8″	34″ 46″ 58″ 70″	54 61 68 75	22 26 30 34
	102-OX -106• 102-OX -108• 102-OX -110• 102-OX -112	6′-0 3/8″ 8′-0 3/8″ 10′-0 3/8″ 12′-0 3/8″	34″ 46″ 58″ 70″	54 61 68 75	22 26 30 34
	102-XOO -109 102-XOO -112 102-XOO -115 102-XOO -118	8′-11 1/16″ 11′-11 1/16″ 14′-11 1/16″ 17′-11 1/16″	34″ 46″ 58″ 70″	70 81 92 103	22 26 30 34
	102-OOX -109 102-OOX -112 102-OOX -115 102-OOX -118	8′-11 1/16″ 11′-11 1/16″ 14′-11 1/16″ 17′-11 1/16″	34″ 46″ 58″ 70″	70 81 92 103	22 26 30 34
	102-OLXO -109 102-OLXO -112• 102-OLXO -115 102-OLXO -118	8′-11 7/8″ 11′-11 7/8″ 14′-11 7/8″ 17′-11 7/8″	34″ 46″ 58″ 70″	75 86 97 108	22 26 30 34
	102-OXRO-109 102-OXRO-112 102-OXRO-115 102-OXRO-118	8′-11 7/8″ 11′-11 7/8″ 14′-11 7/8″ 17′-11 7/8″	34″ 46″ 58″ 70″	75 86 97 108	22 26 30 34
	102-OXXO-112 102-OXXO-116• 102-OXXO-120 102-OXXO-124	11′-10 13/16″ 15′-10 13/16″ 19′-10 13/16″ 23′-10 13/16″	34″ 46″ 58″ 70″	95 110 125 140	44 52 60 68
	102-XOOX-112 102-XOOX-116 102-XOOX-120 102-XOOX-124	11′-11 1/8″ 15′-11 1/8″ 19′-11 1/8″ 23′-11 1/8″	34″ 46″ 58″ 70″	95 110 125 140	44 52 60 68
Fixed frame	102-O -103 102-O -104 102-O -105 102-O -106	3′-0 5/16″ 4′-0 5/16″ 5′-0 5/16″ 6′-0 5/16″	34″ 46″ 58″ 70″	29 32 35 38	.. ..

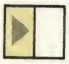
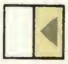
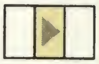
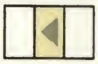
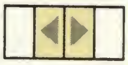
•Stock sizes, immediate delivery. Other sizes 2 to 4 weeks delivery.

ARCADIA 104 SLIDING DOOR

standard sections for 5/8″ insulating glass

up to 6′ 8-11/16″ ht. (door sizes limited by glass sizes)

DOOR SIZES FOR HEIGHT: 6′ 8 11/16″

DOORS VIEWED FROM OUTSIDE	CATALOG NUMBER	DOOR WIDTH	GLASS WIDTH x 76″ HT.	SHIPPING WTS. (lbs)	
				DOOR	SCREEN
	104-XO -106• 104-XO -107• 104-XO -108•	6′-0 3/8″ 7′-4 3/8″ 8′-0 3/8″	34″ 42″ 46″	54 58 61	22 25 26
	104-OX -106• 104-OX -107• 104-OX -108•	6′-0 3/8″ 7′-4 3/8″ 8′-0 3/8″	34″ 42″ 46″	54 58 61	22 25 26
	104-OLXO -109 104-OLXO -111• 104-OLXO -112	8′-11 7/8″ 10′-11 7/8″ 11′-11 7/8″	34″ 42″ 46″	75 83 86	22 25 26
	104-OXRO-109 104-OXRO-111 104-OXRO-112	8′-11 7/8″ 10′-11 7/8″ 11′-11 7/8″	34″ 42″ 46″	75 83 86	22 25 26
	104-OXXO-112 104-OXXO-115• 104-OXXO-116•	11′-10 13/16″ 14′- 6 13/16″ 15′-10 13/16″	34″ 42″ 46″	95 105 110	44 50 52
Fixed frame	104-O -130 104-O -135 104-O -140	3′-0 5/16″ 3′-8 5/16″ 4′-0 5/16″	34″ 42″ 46″	29 31 32	.. .. ..

•Stock sizes, immediate delivery. Other sizes 2 to 4 weeks delivery.

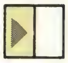
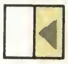
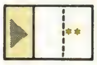
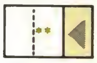
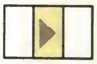
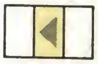
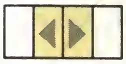
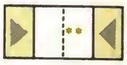
	SEE PAGE 6 FOR DETAILS	SEE PAGE 8 FOR DETAILS
SIZE LIMITS	Height—Exposed locations max. 8′-0″. Protected locations max. 8′-6″ (Requires Engineering Dept. approval.) Width—Sliding Panel max. 8′-0″. Sliding Panel Height/Width ratio maximum 3:1.	Height maximum—6′-8-11/16″ subject to size limitations of 5/8″ insulating glass. Width sliding panel maximum 4′-0″ subject to size limitations of 5/8″ insulating glass. Sliding Panel Height/Width ratio, maximum 3:1.
TYPE OF GLAZING	"Geon" vinyl glazing channel for shop or field glazing. Channel for 3/16″ heavy sheet glass—standard. Channel for 7/32″ heavy sheet or 1/4″ polished plate optional at no extra cost.	"Geon" vinyl glazing channel for shop or field glazing. Channel for 5/8″ insulating glass only is standard.
SPECIAL APPLICATIONS	Flush sill with integral screen provisions optional at extra cost. For interior installation, or for exterior installation, where protected from weather.	Flush sill with integral screen provisions optional at extra cost. For interior installation, or exterior installation where protected from weather.
TYPES & SIZES	Stock sizes, immediate delivery. Other sizes listed, two to four weeks' delivery. Custom and special sizes also available.	Stock sizes, immediate delivery. Other sizes listed, two to four weeks' delivery. Door sizes limited to glass sizes. Maximum size in 5/8″ insulating glass: 46″ x 76″.
SCREENS	Standard—but must be ordered separately. Inside sliding W/fiberglass mesh 14x18 standard; aluminum mesh 14x16 available at extra cost. Maximum screen width without vertical muntin 6′-2″.	Standard, but must be ordered separately. Inside sliding with fiberglass mesh 14x18 standard; aluminum mesh 14x16 available at extra cost. Maximum screen width without vertical muntin, 6′-2″.
MUNTINS	**Vertical or horizontal—available at extra cost.	Vertical or horizontal—available at extra cost.
FIXED FRAMES	Available.	Available.
TRANSOMS	Available. Transoms larger than the following require special reinforcement and are quoted only by the factory. HEIGHT—up to 3′-6″ WIDTH 14′-0″ maximum	Available. Transoms larger than the following require special reinforcement and are quoted only by the factory. Also limited by 5/8″ glass sizes. HEIGHT—up to 3′-6″ WIDTH—14′-0″ max.
MATERIALS & FINISH	Aluminum extrusions of 6063-T5 alloy. Anodized finish per ALCOA Spec. 202-R1. Special finishes optional at extra cost. Extruded black nylon sill track. Step type sill with extension. Two adjustable nylon sheaves having sealed ball bearings for each sliding panel. W/S is dense, moth and mildew resistant wool pile and neoprene.	Aluminum extrusions of 6063-T5 alloy. Anodized finish per ALCOA Spec. 202-R1. Special finishes optional at extra cost. Extruded black nylon sill track. Step type sill with extension. Two adjustable nylon sheaves having sealed ball bearings, for each sliding panel. W/S is dense, moth and mildew resistant wool pile and neoprene.
HARDWARE & LOCKS	Hand-grip type; model 61, satin alumilite finish with black acrylic insert. Exterior locks—available at extra cost. Unless otherwise specified Schlage 5-pin cylinder locks will be furnished. Other locks available at additional extra cost.	Hand-grip type; model 61 satin alumilite finish with black acrylic insert. Exterior locks available at extra cost. Unless otherwise specified Schlage 5-pin cylinder locks will be furnished. Other locks available at additional extra cost.
LATCH	Rotary, jam-proof.	Rotary, jam-proof.
JAMB JOINING KIT	Kit 102M1 used for joining 102 doors other than fixed frames. Kit 102M2 used for joining fixed frames to fixed frames or fixed frames to fixed jambs. Note: Fixed frames cannot be mulled with latching jambs.	Kit 102M1 used for joining 104 doors other than fixed frames. Kit 102M2 used for joining fixed frames or fixed frames to fixed jambs. Note: Fixed frames cannot be mulled with latching jambs.
POST KIT	Includes steel post with bearing plates top and bottom and exterior and interior cover plates. For 90°, 180° and 270° intersections.	Includes steel post with bearing plates top and bottom, and exterior and interior cover plates. For 90°, 180°, and 270° intersections.
CONSTRUCTION PROTECTION	Frame members furnished with polyethylene sleeves for protection from paint and plaster during construction.	Frame members furnished with polyethylene sleeves for protection from paint and plaster during construction.
FRAME MEMBER WIDTH	Head and jambs—3-5/8″; sill 4-5/8″ (including sill extension).	Head and jambs—3-5/8″; sill 4-5/8″ (including sill extension).
ROUGH OPENING SIZES	Add 1/2″ to height and width of door.	Add 1/2″ to height and width of door.

ARCADIA
202
SLIDING DOOR

heavy-duty sections
for single glazing

up to 10′ 0″ ht. (glass available in any height)

DOOR SIZES FOR HEIGHT: 6′ 9 3/4″

DOORS VIEWED FROM OUTSIDE	CATALOG NUMBER	DOOR WIDTH	GLASS WIDTH x 76-5/16″	SHIPPING WTS. (lbs)	
				DOOR	SCREEN
	202-XO -106	6′-0″	33 3/16″	84	23
	202-XO -108	8′-0″	45 3/16″	95	27
	202-XO -110	10′-0″	57 3/16″	108	32
	202-XO -112	12′-0″	69 3/16″	120	37
	202-OX -114	14′-0″	81 3/16″	133	44
	202-OX -116	16′-0″	93 3/16″	146	48
	202-OX -118	18′-0″	105 3/16″	160	52
	202-OX -120	20′-0″	117 3/16″	175	56
	202-XOO -109	9′-0″	33 3/4″	118	23
	202-XOO -112	12′-0″	45 3/4″	140	27
	202-XOO -115	15′-0″	57 3/4″	165	32
	202-XOO -118	18′-0″	69 3/4″	190	37
	202-OOX -121	21′-0″	81 3/4″	215	44
	202-OOX -124	24′-0″	93 3/4″	230	18
	202-OOX -127	27′-0″	105 3/4″	255	52
	202-OOX -130	30′-0″	117 3/4″	280	56
	202-OLXO -109	9′-0″	33 3/8″	124	23
	202-OLXO -112	12′-0″	45 3/8″	146	27
	202-OLXO -115	15′-0″	57 3/8″	171	32
	202-OLXO -118	18′-0″	69 3/8″	196	37
	202-OXRO-121	21′-0″	81 3/8″	221	44
	202-OXRO-124	24′-0″	93 3/8″	246	48
	202-OXRO-127	27′-0″	105 3/8″	271	52
	202-OXRO-130	30′-0″	117 3/8″	296	56
	202-OXXO-112	12′-0″	33 9/16″	150	47
	202-OXXO-116	16′-0″	45 9/16″	173	57
	202-OXXO-120	20′-0″	57 9/16″	197	67
	202-OXXO-124	24′-0″	69 9/16″	220	78
	202-XOOX-128	28′-0″	81 9/16″	243	88
	202-XOOX-132	32′-0″	93 9/16″	266	98
	202-XOOX-136	36′-0″	105 9/16″	289	108
	202-XOOX-140	40′-0″	117 9/16″	312	118
	For each additional foot of height add following weights:		2 Panel	10	2
			3 Panel	15	3
			4 Panel	20	4

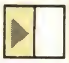
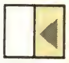
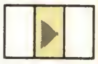
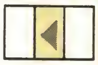
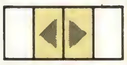
No stock sizes. Door height shown is not stock height but provides reference for shipping weight, etc.

ARCADIA
204
SLIDING DOOR

heavy-duty sections
for 1″ insulating glass

up to 10′ 0″ ht. (door sizes limited by glass sizes)

DOOR SIZES FOR HEIGHT: 6′ 9 3/4″

DOORS VIEWED FROM OUTSIDE	CATALOG NUMBER	DOOR WIDTH	GLASS WIDTH x 76¾″	SHIPPING WTS. (lbs)	
				DOOR	SCREEN
	204-XO -106•	5′-10 11/16″	33″	75	23
	204-XO -108•	7′-10 11/16″	45″	85	27
	204-XO -100•	9′-10 11/16″	57″	97	32
	204-OX -106•	5′-10 11/16″	33″	75	23
	204-OX -108•	7′-10 11/16″	45″	85	27
	204-OX -110•	9′-10 11/16″	57″	97	32
	204-OLXO -109	8′-9 7/16″	33″	110	23
	204-OLXO -112•	11′-9 7/16″	45″	131	27
	204-OLXO -115	14′-9 7/16″	57″	155	32
	204-OXRO-109	8′-9 7/16″	33″	110	23
	204-OXRO-112	11′-9 7/16″	45″	131	27
	204-OXRO-115	14′-9 7/16″	57″	155	32
	204-OXXO-112	11′-7 7/8″	33″	131	47
	204-OXXO-116•	15′-7 7/8″	45″	153	57
	204-OXXO-120•	19′-7 7/8″	57″	175	67
Fixed frame	204-O -103	2′-11 1/2″	33″	33	..
	204-O -104	3′-11 1/2″	45″	36	..
	204-O -105	4′-11 1/2″	57″	40	..

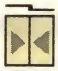
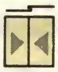
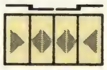
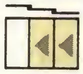
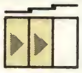
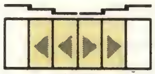
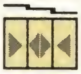
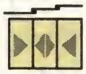
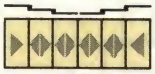
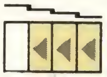
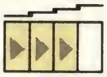
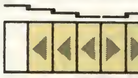
•Stock sizes, immediate delivery. Other sizes 2 to 4 weeks delivery.

202MS
204MS
MULTI-SLIDE

heavy-duty sections
for single glazing or 1″ insulating glass

up to 10′ 0″ in height

ALL SIZES ARE CUSTOM-MADE

 X22B  X22	Two sliding panels on two tracks. Opens at either side.
 X42	Four sliding panels on two tracks. Opens at center or either side.
 OX22  X220	Two sliding panels on two tracks and one fixed panel. Opens at one side only.
 OX420	Four sliding panels on two tracks and two fixed panels. Opens at center only.
 X33B  X33	Three sliding panels on three tracks. Opens at either side.
 X63	Six sliding panels on three tracks. Opens at center or either side.
 OX33  X330	Three sliding panels on three tracks and one fixed panel. Opens at one side only.
 OX630	Six sliding panels on three tracks and two fixed panels. Opens at center only.

SEE PAGE 7 FOR DETAILS	SEE PAGE 8 FOR DETAILS	SEE PAGE 9 FOR DETAILS
Height—Exposed locations, maximum 10′-0″. Protected locations, maximum 11′-0″. (Requires Engineering Dept. approval) Width—Sliding panel maximum 10′-0″. Sliding panel Height/Width ratio, max. 3:1.	Height—Exposed locations maximum 10′-0″. Protected locations, maximum 11′-0″. (Requires Engineering Dept. approval) Width—Sliding Panel maximum 10′-0″. Sliding Panel Height/Width ratio, Maximum 3:1. Subject also to size limitations of 1″ insulating glass.	Height maximum 10′-0″ Width Sliding Panel, Maximum 10′-0″. Sliding Panel Height/Width ratio, Maximum 3:1.
"Geon" vinyl glazing channel for shop or field glazing. Channel for 1/4″ polished plate glass is standard. Channel for 3/16″ heavy sheet or 7/32″ heavy sheet glass optional at no extra cost.	"Geon" vinyl glazing channel for shop or field glazing. Channel for 1″ insulating glass only is standard.	"Geon" vinyl glazing channel for shop or field glazing. Series 202MS: Channel for 1/4″ polished plate glass is standard. Channel for 3/16″ or 7/32″ heavy sheet optional at no extra cost. Series 204MS: Channel for 1″ insulating glass only is standard.
Flush sill with integral screen provisions, optional at extra cost. For interior installation, or exterior installation where protected from weather.	Flush sill with integral screen provisions, optional at extra cost. For interior installation, or exterior installation where protected from weather.	Multiple sliding panels. Interior and exterior pocket installations. Surface mounted installations. Interior sliding partitions. Other special designs to meet specific requirements.
No stock sizes. Door height shown on chart for reference in shipping weights etc. All doors are made to size specified.	Stock sizes, immediate delivery. Other sizes listed, 2 to 4 weeks' delivery. Door sizes limited to glass sizes. Maximum available size in 1″ insulating glass is 10,000 sq.″e.g.82″ x120″, 100″ x 100″, etc.	No stock sizes. All doors are made to size specified.
Standard—but must be ordered separately. Inside sliding W/fiberglass mesh 14x18 standard; aluminum mesh 14x16 available at extra cost. Maximum screen width without vertical muntin 6′-2″.	Standard—but must be ordered separately. Inside sliding with fiber-glass mesh 14x18 standard; aluminum mesh 14x16 available at extra cost. Maximum screen width without vertical muntin 6′-2″.	Screens and screen provisions must be ordered as a separate item. Inside sliding screens with fiber-glass mesh 14x18 standard when ordered aluminum mesh 14x16 available at extra cost. Maximum screen width without vertical muntin 6′-2″.
**Vertical or horizontal—available at extra cost.	Vertical or horizontal—available at extra cost.	Vertical or horizontal—available at extra cost.
Available.	Available.	Not available for multi-slide doors.
Available. Transoms larger than the following require special reinforcement and are quoted only by the factory. HEIGHT—up to 3′-6″ WIDTH—15′-0″ maximum	Available. Transoms larger than the following require special reinforcement and are quoted only by the factory. HEIGHT—up to 3′-6″ WIDTH—15′-0″ maximum.	Not available for multi-slide doors.
Aluminum extrusions of 6063-T5 alloy. Anodized finish per ALCOA Spec. 204-R1. Special finishes optional at extra cost. Roll-formed 22 gauge type 302 stainless steel sill track. Step type sill. Two adjustable nylon sheaves, sealed ball bearings for each sliding panel. W/S is dense, moth and mildew resistant wool pile and neoprene.	Aluminum extrusions of 6063-T5 alloy. Anodized finish per ALCOA Spec. 204-R1. Special finishes optional at extra cost. Roll-formed 22 gauge type 302 stainless steel sill track. Step type sill. Two adjustable nylon sheaves, sealed ball bearings for each sliding panel. W/S is dense, moth and mildew resistant wool pile and neoprene.	Aluminum extrusions of 6063-T5 alloy. anodized finish per ALCOA Spec. 204R-1. Special finishes available at extra cost. Roll-formed 22 gauge, type 302 stainless steel sill track. Step type sill, two adjustable nylon sheaves having sealed ball bearings for each sliding panel. W/S is dense, moth and mildew resistant wool pile.
Solid pull type; model 62 with anodized finish per ALCOA Spec. 204-R1. Exterior locks available at extra cost. Unless otherwise specified, Schlage 5-pin cylinder locks will be furnished. Other locks available at additional extra cost.	Solid pull type; model 62 with anodized finish per ALCOA Spec. 204-R1. Exterior locks available at extra cost. Unless otherwise specified, Schlage 5-pin cylinder locks will be furnished. Other locks available at additional extra cost.	Solid pull type; model 62 with anodized finish per ALCOA Spec. 204-R1. Exterior locks available at extra cost. Unless otherwise specified, Schlage 5-pin cylinder locks will be furnished. Other locks available at additional extra cost.
Jam-proof, up-acting, cam-action.	Jam-proof, up-acting, cam-action.	Jam-proof, up-acting, cam-action.
Kit 202M1 used for joining 202 doors other than fixed frames. Kit 202M2 used for joining fixed frames to fixed frames or fixed frames to fixed jambs. Note: Fixed frames cannot be joined with latching jambs.	Kit 202M1 used for joining 204 doors other than fixed frames. Kit 202M2 used for joining fixed frames to fixed frames or fixed frames to fixed jambs. Note: Fixed frames cannot be joined with latching jambs.	Not available for multi-slide doors.
Includes steel post with bearing plates top and bottom and exterior and interior cover plates. For 90°, 180° and 270° intersections.	Includes steel post with bearing plates top and bottom, and exterior and interior cover plates. For 90°, 180°, and 270° intersections.	Not available for multi-slide doors.
Frame members furnished with polyethylene sleeves for protection from paint and plaster during construction.	Frame members furnished with polyethylene sleeves for protection from paint and plaster during construction.	Not available for multi-slide doors.
Head, jambs and sill 4-3/4″.	Head, jambs and sill 4-3/4″.	Head, jambs and sill width, variable; depending upon number of fixed and sliding panels.
Add 1/2″ to height and width of door.	Add 1/2″ to height and width of door.	Add 1/2″ to height and width of door.

ARCADIA

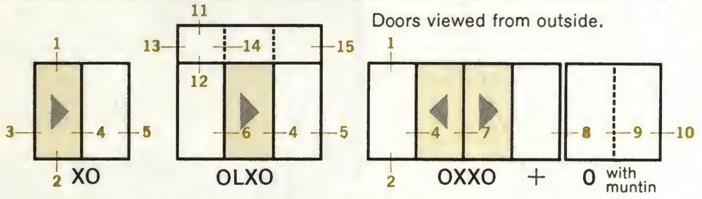
102

SLIDING DOOR

standard sections

for single glazing

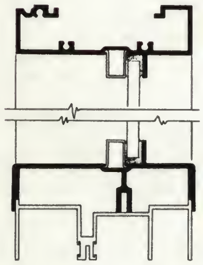
up to 8′ 0″ ht. (glass available in any height)



Rough opening normally should be 1/2″ larger than door size.

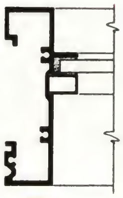
Standard sections in series 102 provide a door of strength and design that equals the quality required in architectural specifications for both commercial and residental installations where the height does not exceed 8′0″, and the conditions permit single glazing. Doors in stock sizes in this series are available in quantity purchases for use in large installations or merchant-built housing, thus permitting quality of Arcadia door at considerable savings. Special performance tests for weather-tightness made by independent laboratories reveal positive resistance to air and water infiltration. For installations of 8′0″ to 10′0″ in height, see details for series 202 heavy duty door, page 7.

SCALE: 3″=1′0″ (Full-size details available)

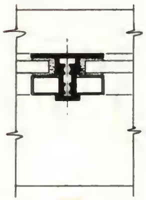


⑪ transom head

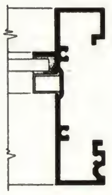
⑫ transom sill



⑬ transom jamb

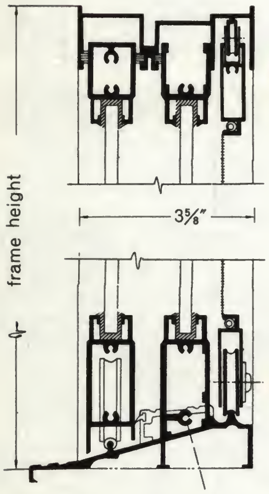


⑭ muntin



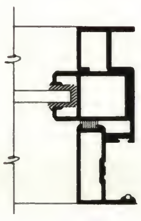
⑮ transom jamb

See pages 4 and 5 for Selection Chart of types, sizes and limitations for all Arcadia doors.

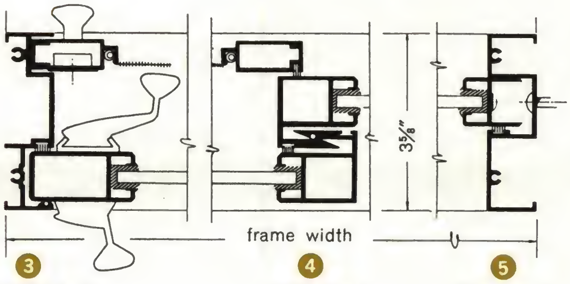


① head

② sill



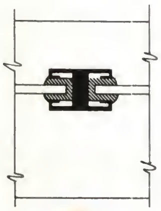
⑥ mullion



③ locking jamb

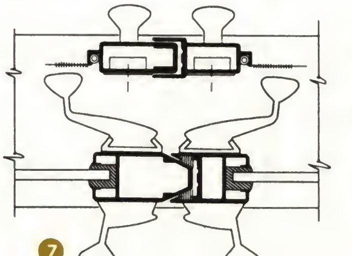
④ interlockers

⑤ fixed jamb

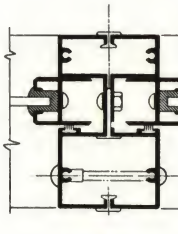


⑨ muntin

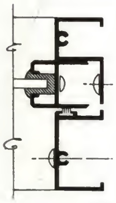
Because of engineering improvements specifications and details of Arcadia doors and other products are subject to change without notice.



⑦ meeting stiles



⑧ mulled jambs



⑩ mullion

ARCHITECT'S SPECIFICATIONS

General: Aluminum sliding doors, fixed frames and transoms shall be Arcadia Series 102 Aluminum Sliding Doors manufactured by Arcadia Metal Products, 801 South Acacia Avenue, Fullerton, California.

Materials: Basic frame and sliding sections shall be aluminum extrusions of 6063-T5 alloy. Nominal metal thickness shall be 0.072″. Component parts and accessories shall be of aluminum alloy, stainless steel or non-metallic materials which will neither deteriorate nor promote corrosion.

Weatherstripping shall be silicone-treated, wool pile or pliable neoprene. Glazing channel shall be "Geon" vinyl.

Construction: Interlockers and stile members shall be of one piece hollow sections of adequate stiffness to insure strength and rigidity. Sliding panels shall be bottom rolling on nylon sheaves having sealed ball bearings. The sheave supports at both ends of the sliding panel shall be capable of adjustment without removing the panel from the track. The sliding panel when in a locked position shall not be removable from the outside. Door track shall be capped with extruded black weather-resistant and light stabilized nylon.

Pulls and Latches: Sliding panels shall be equipped with a rotary-type non-jambing latch with provision for locking from the inside. Exterior locks, when specified, shall be Schlage five pin cylinder. Pulls shall be Arcadia Model 61.

Finish:* All aluminum members of the unit shall receive a finish Alumilite coating according to Aluminum Company of America Specification 202-R1.

Glazing: The fixed and sliding panels shall be constructed to allow either shop or field glazing. "Geon" vinyl glazing channel for 3/16″, 7/32″, ¼″ glass shall be furnished, as specified.

Structural: Door members shall be capable of supporting without permanent deformation a uniformly distributed load of 20 pounds per square foot of glazed surface for doors up to 8′-0″ high.

Weathertightness: The door shall be so constructed and weathersealed that the air infiltration shall not exceed 0.75 cubic feet per minute per foot of sliding panel perimeter when the full sized unit is subjected to an external pressure of 1.6 pounds per square foot, or the dynamic pressure of a 25 mile per hour wind. A full size unit when tested for a 15 minute period in a simulated rainfall of 2 inches of water per hour and subjected to either a 45 mile per hour wind or a ⅜ inch pressure differential between the inside and outside of the unit, shall allow no infiltrated water to overflow any part of the sill on the interior face of the unit.

Screens: Basic screen sections shall be of 6063-T5 alloy extruded aluminum sections. Sliding screens for Series 102 doors shall be bottom rolling on adjustable nylon sheaves operating on nylon bushings. Frame shall be wired with 14 x 18 gauge Fiberglas mesh or 14 x 16 gauge Aluminum wire mesh, as specified. A wool pile or neoprene insect closure shall be provided on the trailing stile of the screen frame. The screen shall be equipped with inside and outside pulls of solid aluminum extrusions and a self-latching rotary type latch which can be locked from the outside.

*Other finishes available on quotation by factory.

Research Library: Felix Augenfeld, AIA, Architect.

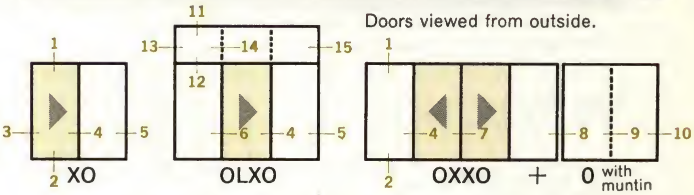
ARCADIA
202
SLIDING DOOR

heavy-duty sections

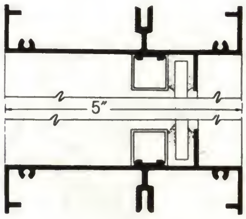
for single glazing

up to 10′ 0″ ht. (glass available in any height)

Doors viewed from outside.

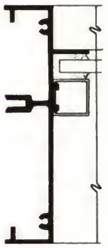


Rough opening normally should be 1/2″ larger than door size.

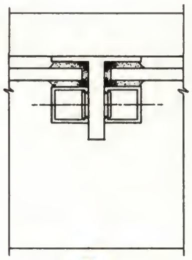


⑪ transom head

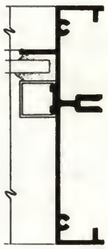
⑫ transom sill



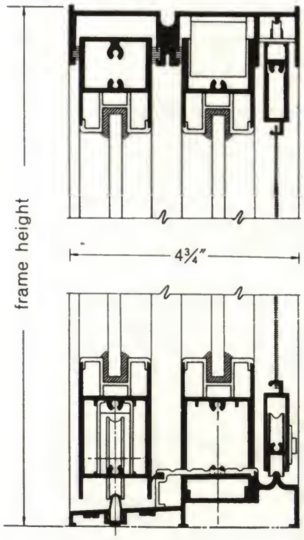
⑬ transom jamb



⑭ muntin

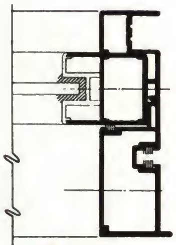


⑮ transom jamb

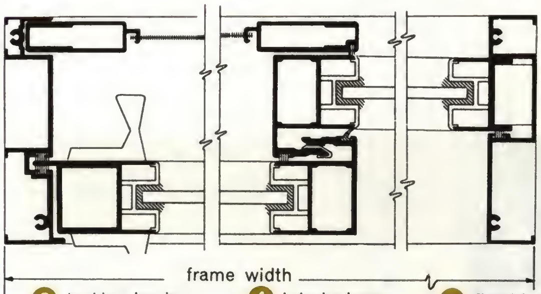


① head

② sill



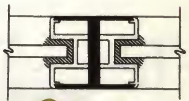
⑥ mullion



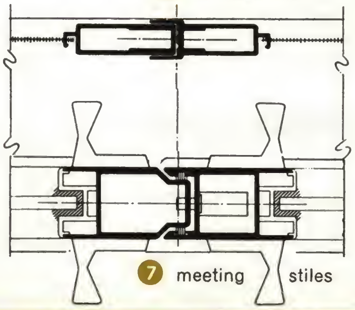
③ locking jamb

④ interlockers

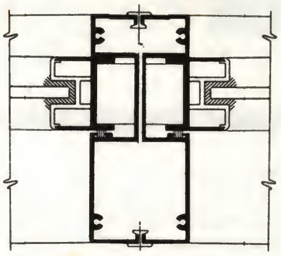
⑤ fixed jamb



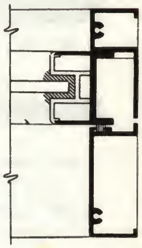
⑨ muntin



⑦ meeting stiles



⑧ mulled jambs



⑩ mullion

ARCHITECT'S SPECIFICATIONS

General: Sliding aluminum framed doors shall be Arcadia Series 202 sliding aluminum doors as manufactured by Arcadia Metal Products, 801 South Acacia Avenue, Fullerton, California.

Material: Basic frame and sliding sections shall be aluminum extrusions of 6063-T5 alloy. Component parts and accessories shall be of aluminum alloy, stainless steel, heavy cadmium plated steel or non-metallic materials which will neither deteriorate nor promote corrosion. Weatherstripping shall be dense, silicoted, fungus, mildew and moth resistant wool pile and/or pliable neoprene where leakage resistance is required.

Construction: Interlockers, stile, top and bottom rail members of sliding panel, shall be of one piece hollow sections of adequate stiffness to insure strength and rigidity. Interlockers shall provide mechanical interlocker to maintain fit and seal of the weatherstripping.

Sliding panel shall be bottom rolling on nylon sheaves having sealed ball bearings. Sliding panel shall be equipped with adjustable sheave at each end to allow for alignment of the sliding panel with the frame. Track shall be roll formed 22 gauge type 302 stainless steel firmly retained by the sill member.

Pulls and Latches: Sliding panel shall be equipped with Arcadia positive jam proof, up acting cam night latch. Arcadia solid aluminum pulls shall be provided for both inside and outside of the sliding panel. When specified, exterior locks shall be Schlage five pin cylinder.

Finish:* All aluminum members and hardware of the unit shall receive an anodized finish according to Aluminum Company of America Specification 204-R1. Manufacturer shall be able to show by filmeter test that he has complied with coating thickness specified.

Glazing: The fixed and sliding panels shall be constructed to allow for either shop or field glazing. Vinyl glazing channels for 3/16″, 7/32″, or ¼″ glass shall be furnished, as specified.

Structural: All door members shall be capable of supporting without deformation a uniformly distributed exterior load of 15-40 pounds per square foot (depending upon the requirements of the size and type of unit) of glazed surface.

Weathertightness: The door shall be so constructed and weathersealed that the air infiltration shall not exceed 0.75 cubic feet per minute per foot of sliding panel perimeter when the full sized unit is subjected to an external pressure of 1.6 pounds per square foot, or the dynamic pressure of a 25 mile per hour wind. Test shall be a pressure differential chamber test. The unit shall be placed in the side at a pressure chamber and a pressure differential of 0.6″ shall be put across the unit by means of air pressure or vacuum, water shall be sprayed onto the outside of the unit at the rate of 2″ of rain per hour. No water shall overflow the sill in a 15 minute period.

Screens: Basic screen sections shall be of 6063-T5 alloy extruded aluminum sections. Frame shall be wired with 14 x 18 gauge Fiberglas mesh or 14 x 16 gauge Aluminum wire mesh, as specified.

*Other finishes available on quotation by factory.

ARCADIA
104
SLIDING DOOR

standard sections

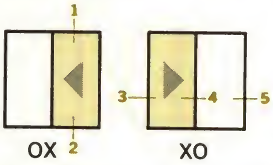
for ⅝″ insulating glass

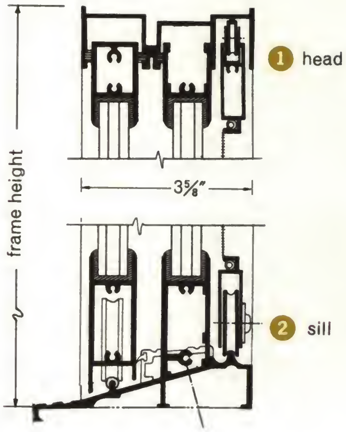
up to 6′ 8- $^{11}/_{16}$″ ht. (door sizes limited by glass sizes)

Doors viewed from outside.

Rough opening normally should be 1/2″ larger than door size.

Other details similar to series 102 details.



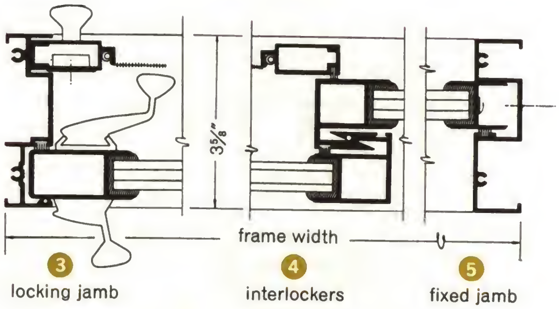


ARCHITECT'S SPECIFICATIONS

Specifications for Series 102 and Series 104 are same except for glazing provisions.

Sections for the 104 door are designed in accordance with specifications for the 102 series and permit use of ⅝″ insulating glass, an economical method of providing added protection in colder climates. Sizes of the door panels, however, are limited by available sizes of glass. Maximum dimensions for this type of glass are 48″ x 76″.

SCALE: 3″=1′0″ (Full-size details available)



ARCADIA
204
SLIDING DOOR

heavy-duty sections

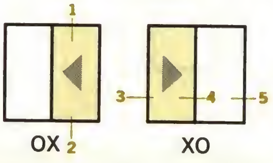
for 1″ insulating glass

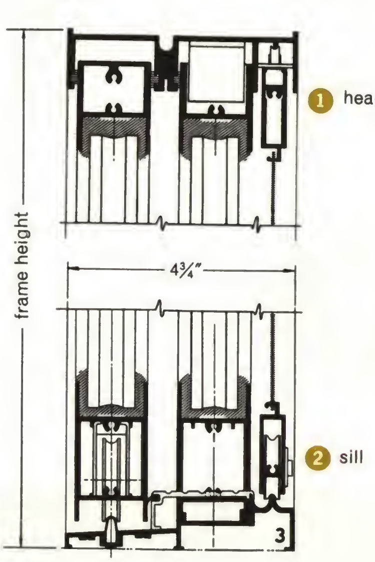
up to 10′ 0″ ht. (door sizes limited by glass sizes)

Doors viewed from outside.

Rough opening normally should be 1/2″ larger than door size.

Other details similar to series 202 details.





ARCHITECT'S SPECIFICATIONS

Specifications for Series 202 and Series 204 are same except for glazing provisions.

Sections for the 204 door are designed in accordance with specifications for the 202 series and permit use of 1″ hermetically sealed insulating glass. Door sizes are limited by available sizes of insulating glass. Door design provides maximum weathertightness in extreme climates, according to test data available from the factory.

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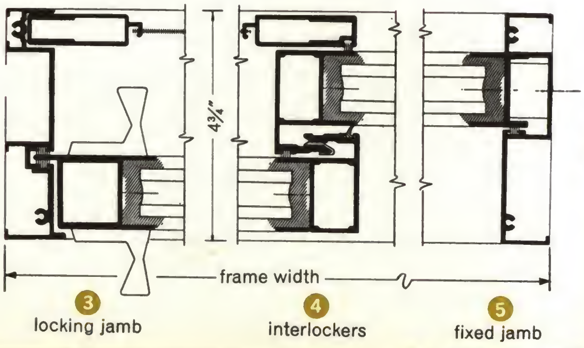


Because of engineering improvements specifications and details of Arcadia doors and other products are subject to change without notice.

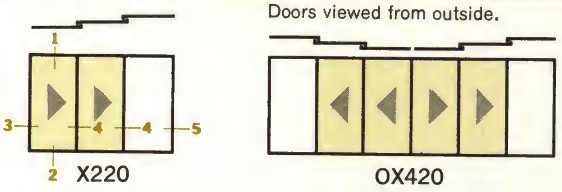
202MS
204MS
MULTI-SLIDE

heavy-duty sections

single glazing or 1″ ins. glass

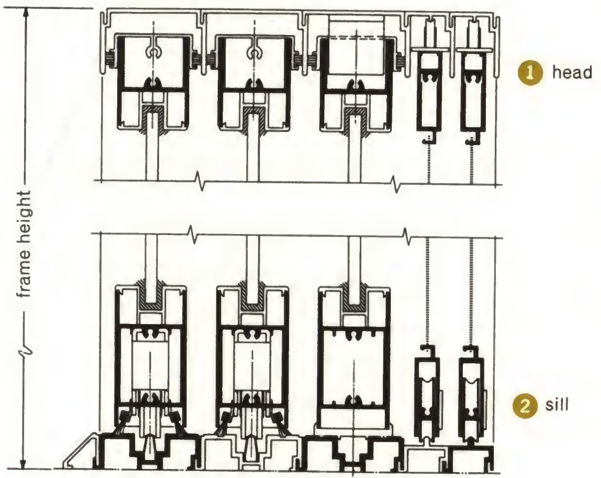
up to 10′ 0″ in height

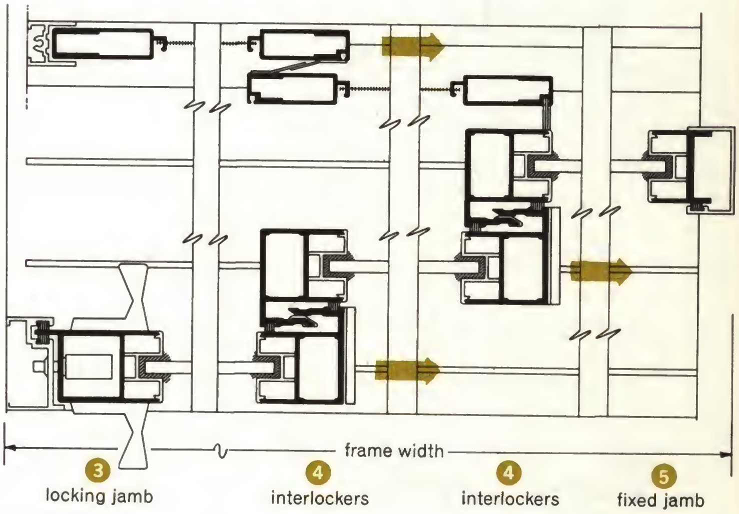
Arcadia Metal Products home offices: A. Quincy Jones and Frederick E. Emmons, AIA, Architects.



Rough opening normally should be 1/2″ larger than door size.

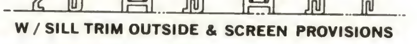
All Multi-Slide doors are custom-made to the width and height specified. Types shown on page 5 have been standardized and are manufactured without custom engineering. Other types with different combinations of fixed and sliding panels, models for pocket applications, etc., require special details.





MULTI-SLIDE SILL OPTIONS:

Slide options include screen tracks, sill trim and sill pan as illustrated at right. When screen provisions are specified, screen track, screen head and screen jambs are specified.


STANDARD SILL
W / SILL TRIM TWO SIDES
W / SILL TRIM OUTSIDE & SILL PAN
W / SILL TRIM OUTSIDE & SCREEN PROVISIONS

See pages 4 and 5 for Selection Chart of types, sizes and limitations for all Arcadia doors.

ARCHITECT'S SPECIFICATIONS

General: Sliding aluminum framed doors shall be Arcadia 202-204 multi-sliding aluminum doors as manufactured by Arcadia Metal Products, 801 South Acacia Avenue, Fullerton, California.

Material: Basic frame and sliding sections shall be aluminum extrusions of 6063-T5 alloy. Members shall be designed to carry the designated Wind Load for type and size specified.

Component parts and accessories shall be of aluminum alloy, stainless steel, heavy cadmium plated steel or non-metallic materials which will neither deteriorate nor promote corrosion.

Weatherstripping shall be either dense, silicoted, fungus, mildew and moth resistant wool pile or pliable neoprene where leakage resistance is required.

Construction: Interlockers, stile, top and bottom rail members of sliding panel, shall be of one piece hollow sections of adequate stiffness to insure strength and rigidity. Frame and panel members shall be accurately cut and upon assembly present a neat finished appearance and watertight joint. Interlockers shall provide mechanical interlocker to maintain fit and seal of the weatherstripping. The outside sliding panel when in a locked position shall not be removable from the outside. The sliding and fixed panels shall be removable for glazing or maintenance. Sliding panel shall be bottom rolling on nylon sheaves having sealed ball bearings. Sliding panel shall be equipped with adjustable sheave at each end to allow for alignment of the sliding panel with the frame. Track shall be roll formed 22 gauge type 302 stainless steel firmly retained by the sill member. Where water drainage is important, a metal sill pan shall be used and sill member shall provide for drainage.

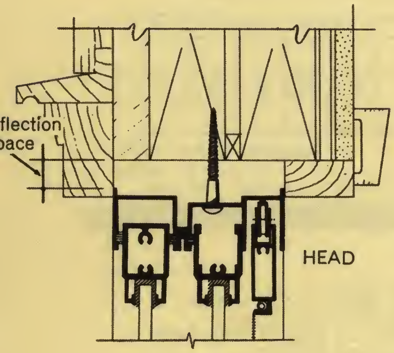
Pulls and Latches: Sliding panel shall be equipped with Arcadia positive jam proof, up acting cam night latch. Arcadia solid aluminum pulls shall be provided for both inside and outside of the sliding panel. When specified, exterior locks shall be Schlage five pin cylinder.

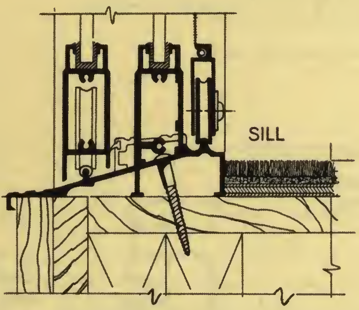
Finish: All aluminum members and hardware of the unit shall receive an anodized finish according to Aluminum Company of America Specification 204-R1. Anodic treatment shall provide a hard oxide surface coating .0004 inch in thickness and having a density of 17 mg. per square inch. Manufacturer shall be able to show by filmeter test that he has complied with coating thickness specified.

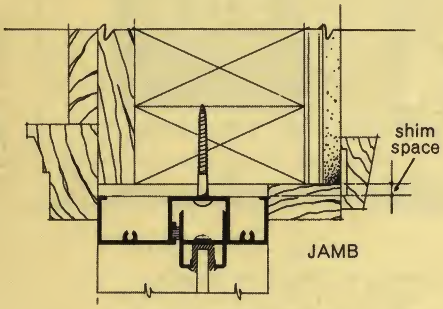
Glazing: The fixed and sliding panels shall be constructed to allow for either shop or field glazing. "Geon" vinyl glazing channels for 3/16″, 7/32″, ¼″ glass or 1″ insulating glass shall be furnished, as specified.

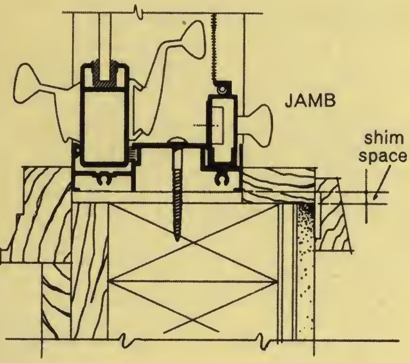
Screens: Basic screen sections shall be of 6063-T5 alloy extruded aluminum sections. Sliding screens for 202-204 Doors shall be bottom rolling on adjustable nylon sheaves operating on nylon bushings. Frame shall be wired with 14 x 18 gauge Fiberglas mesh or 14 x 16 gauge Aluminum wire mesh, as specified. A wool pile insect closure shall be provided on the trailing stile of the screen frame. The screen shall be equipped with an inside pull of a solid aluminum, outside finger pulls, and a self-latching rotary type latch which can be locked from the inside.

Frame and Siding / Series 102

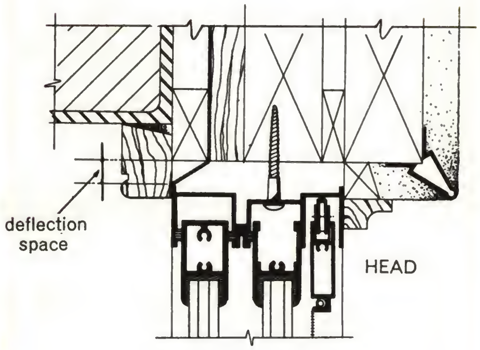


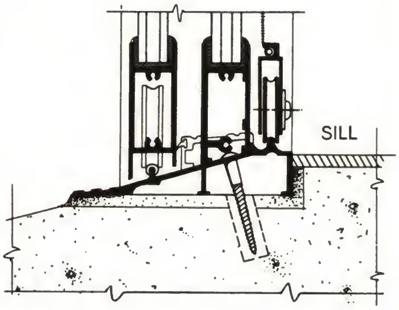


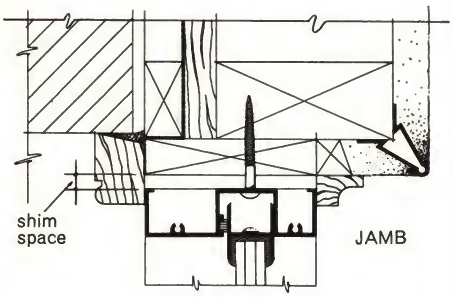


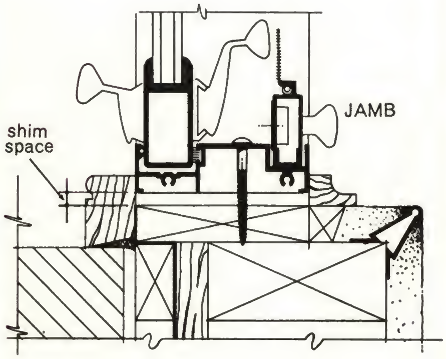


Brick Veneer / Series 104

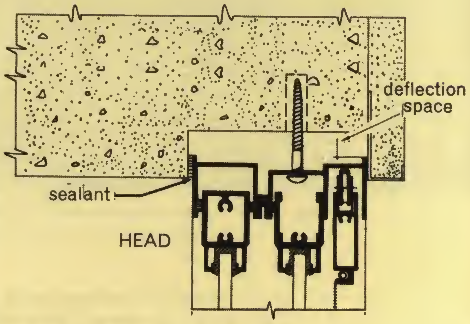


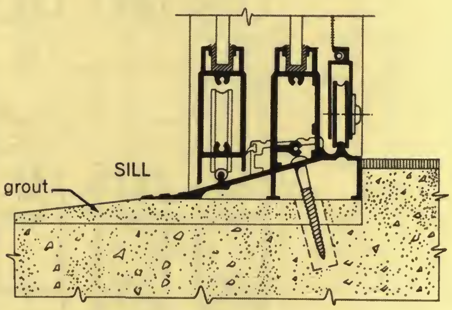






Poured Concrete / Series 102





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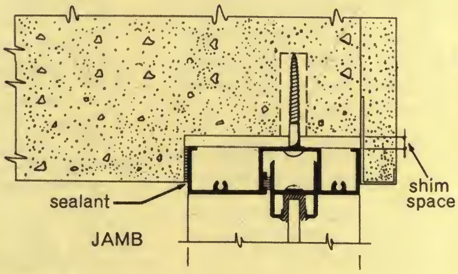
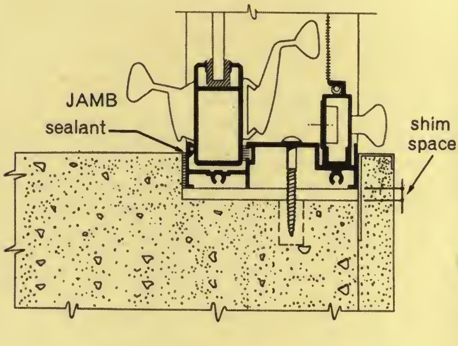
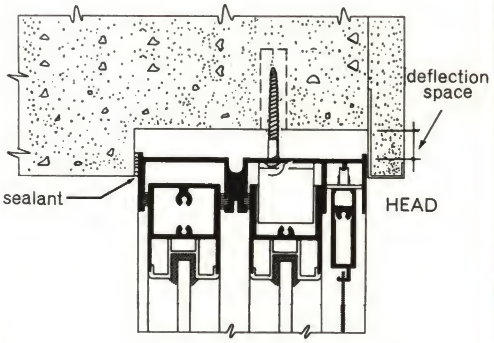
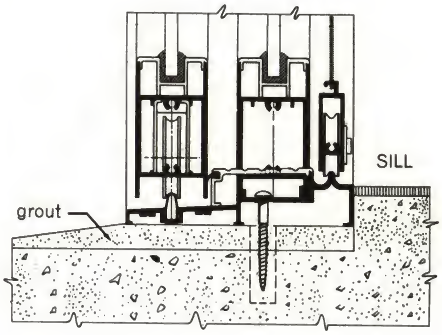
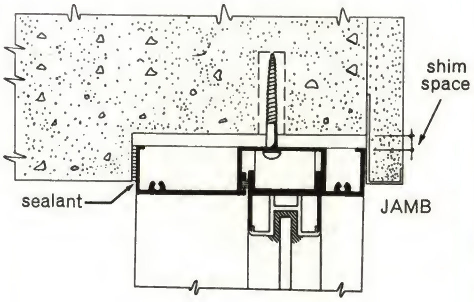


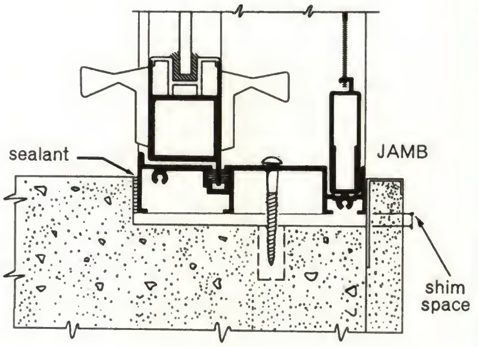


Poured Concrete / Series 202

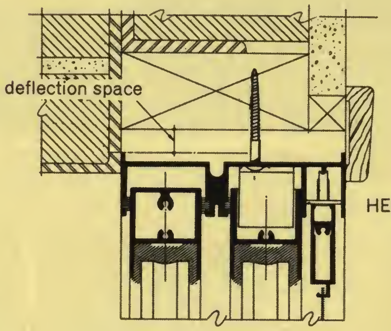


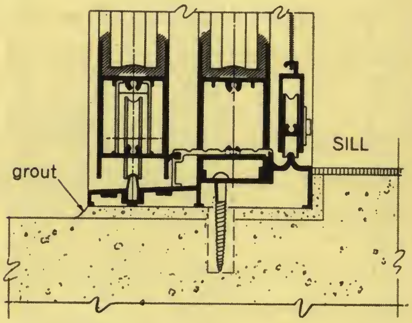


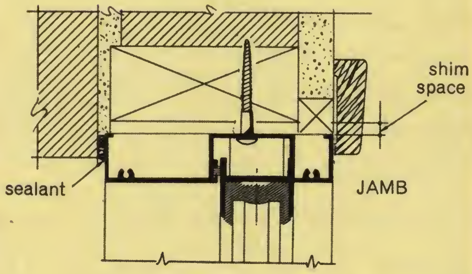


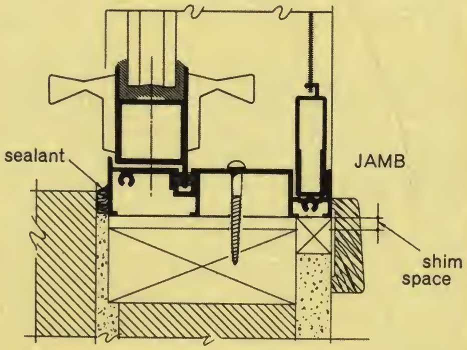


Brick Masonry / Series 204

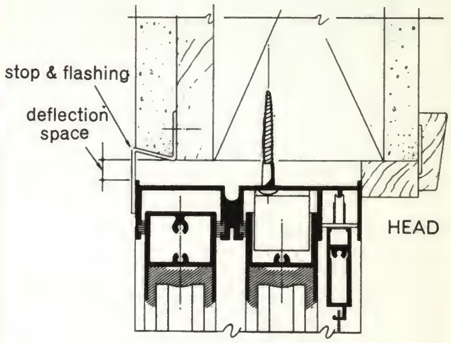


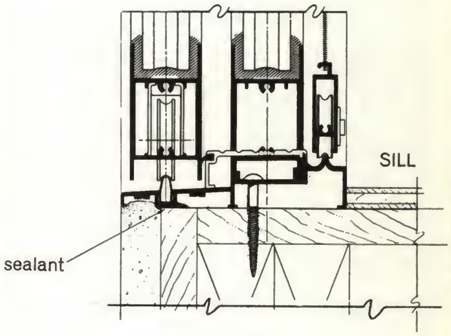






Frame and Stucco / Series 204





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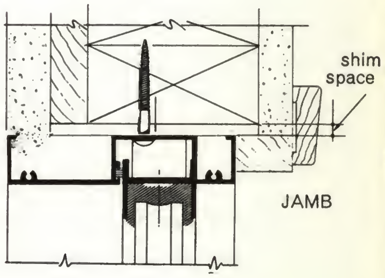

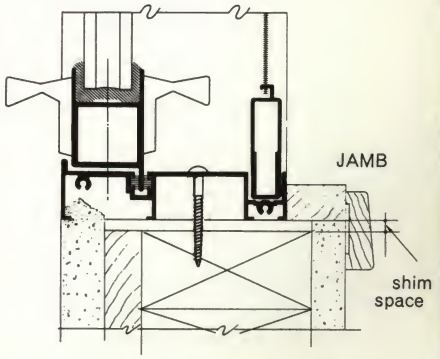

Chapel, Miramar NAS: Richard Neutra, FAIA, and Robert E. Alexander, FAIA, Architects.

Cover: Eichler Homes, Palo Alto, Calif., merchant-built homes designed by two architectural firms: A. Quincy Jones and Frederick E. Emmons, AIA, of Los Angeles and Anshen & Allen, AIA, of San Francisco. Shown is design by Anshen & Allen.

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OTHER ARCADIA PRODUCTS Arcadia's architectural product line also includes sliding sash and an integrated system of aluminum window wall. See Sweet's File 3d/Ar for catalog description of these products or write for information.

COMPANY WARRANTY and guarantee of workmanship accompanies all Arcadia products, providing installation is made in accordance with factory recommendations.

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